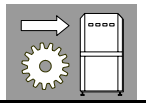

Chapter 6

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1.	Installation and Start-up of Powerware 5115 UPS	DD+DIS105.01E	04/2001
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Section 6

1.
Installation and Start-up of Powerware 5115 UPS

DD+DIS105.01E

Order-No.: DD+DIS105.01E

1 Piece UMF8P MA1

ADC Quality System

Type 4406 / 421

Section 6

Installation and Start-up of the Powerware 5115 UPS

(Uninterruptible Power Supply)

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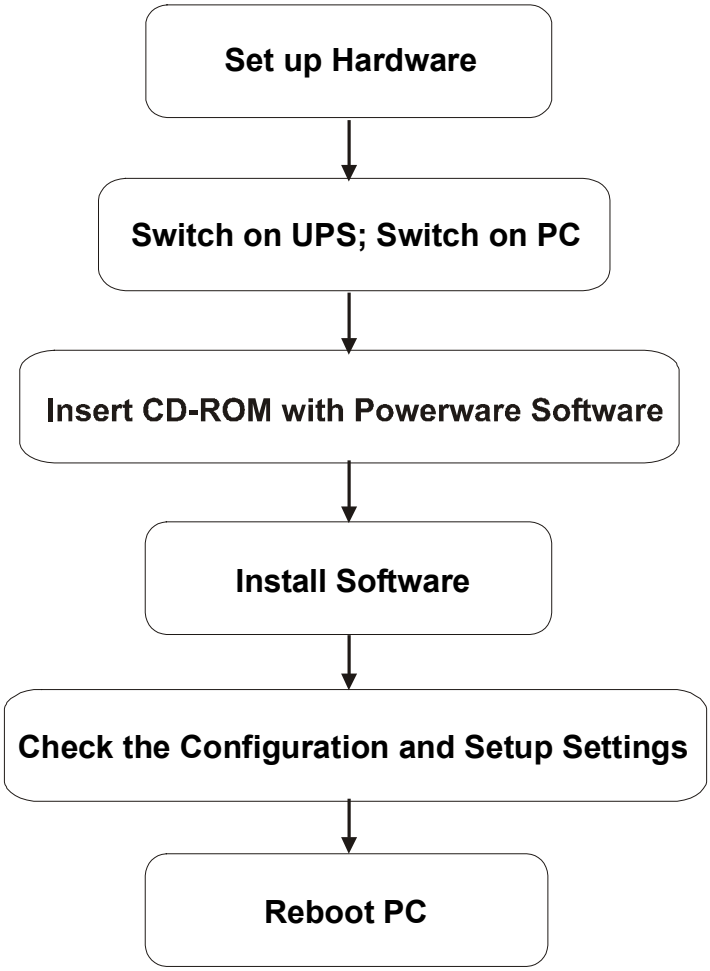
printed in Germany 04 / 2001

1 Overview of Installation Sequence

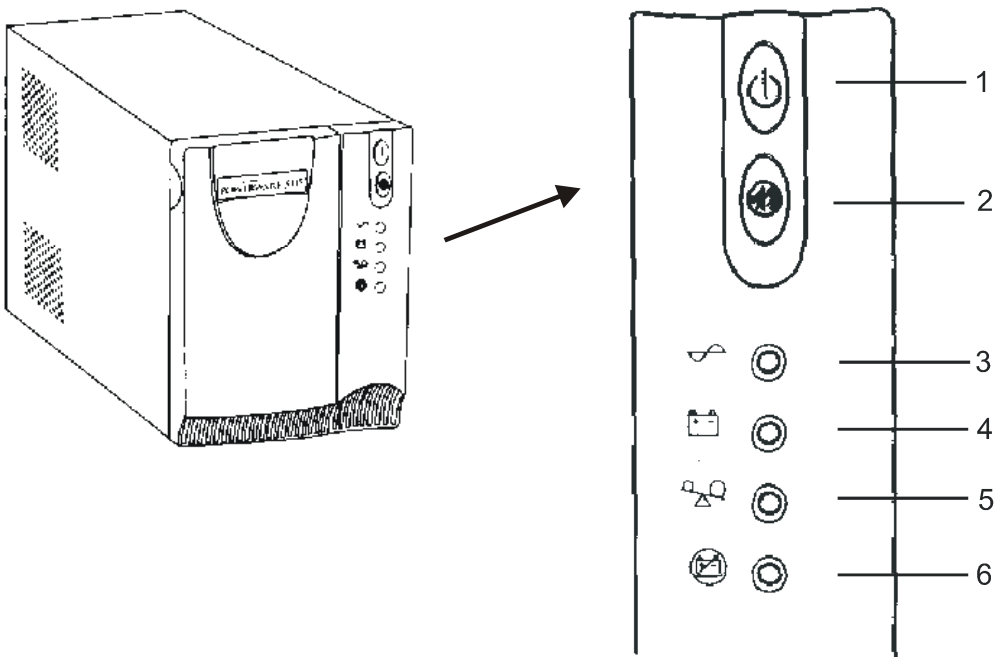

Set up Hardware
Switch on UPS; Switch on PC
Insert CD-ROM with Powerware Software
Install Software
Check the Configuration and Setup Settings
Reboot PC

2 Scope of Delivery

- UPS 750 VA (110 V or 230 V)
- 2 Power cables
- 1 Serial cable
- 1 CD with Powerware software
- 1 Installation guide

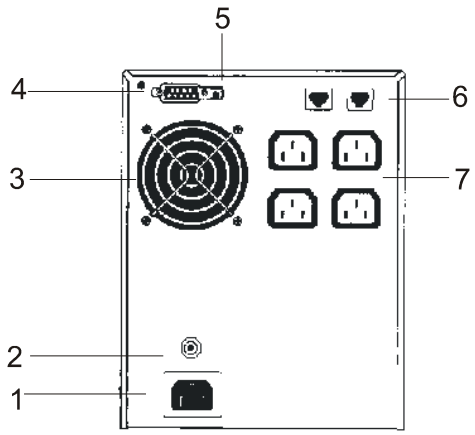
3 Display and Connectors of Powerware 5115 UPS

Front:



1 Main switch
2 Test- / Alarm reset
3 Operating indicator
4 Indicator battery operated
5 Overload indicator
6 Maintenance indicator, battery

Rear:
(Type PW 5115 750 VA)



1 Plug for non-heating apparatus (10 A / IEC 320 input)
2 Overcurrent protection (Input fuse)
3 Ventilator
4 Communication interface
5 DIP - switch
6 Network transient protection
7 Four sockets for non-heating apparatus (10 A / IEC 320)

All the other Types of PW 5115 are described in the user manual, which is part of the delivery of the UPS.

4 Start-up of the Powerware 5115 UPS

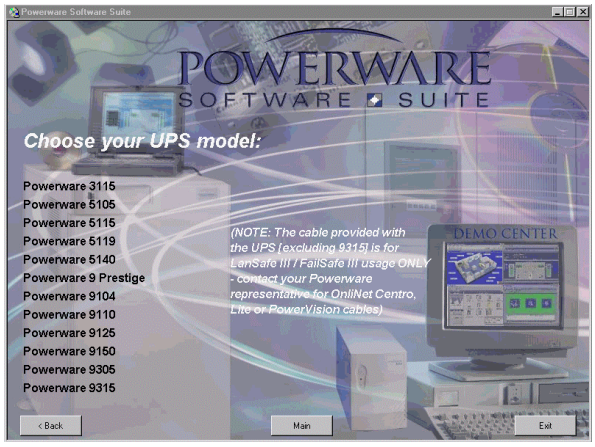
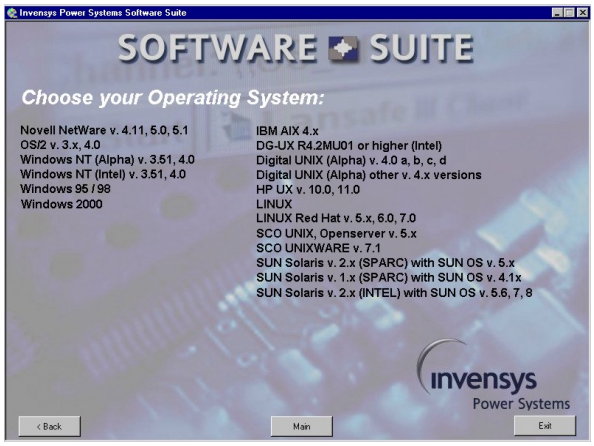
4.1 Installation of Hardware

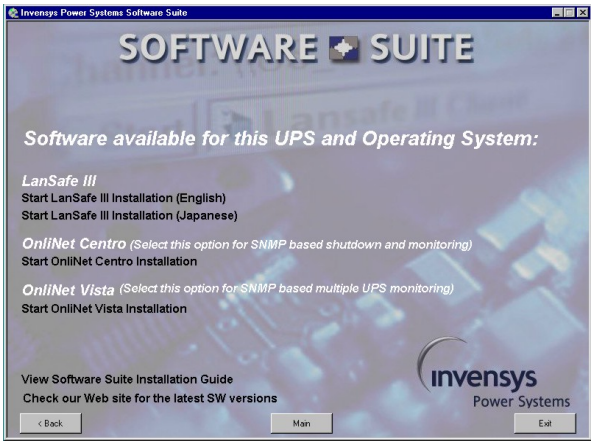
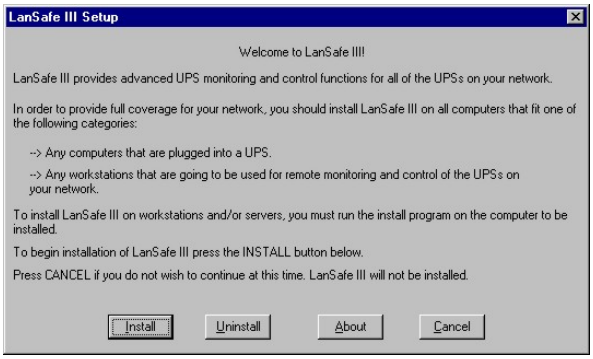
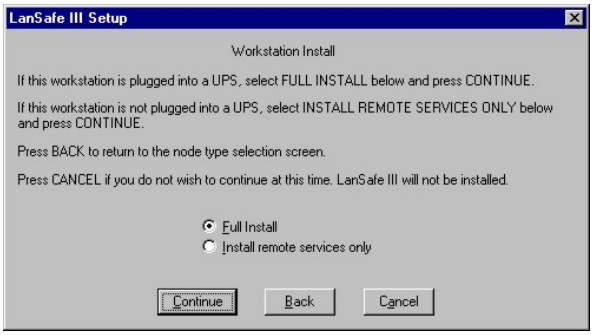
Check before the installation if battery of the UPS is loaded!
(Battery test, see user manual)

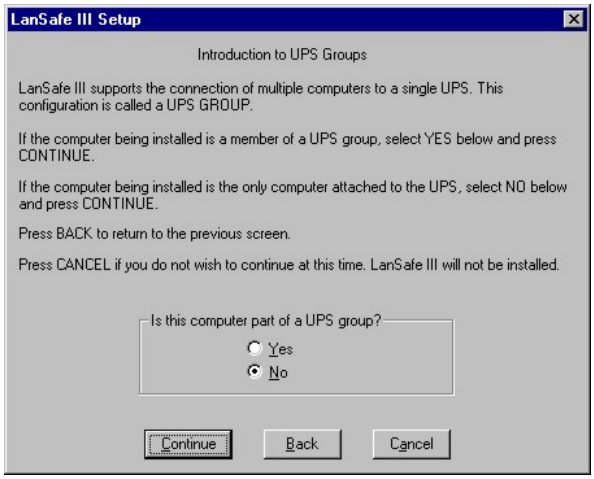
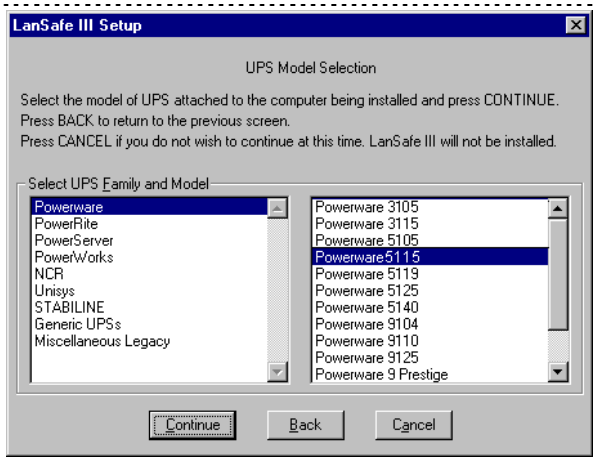
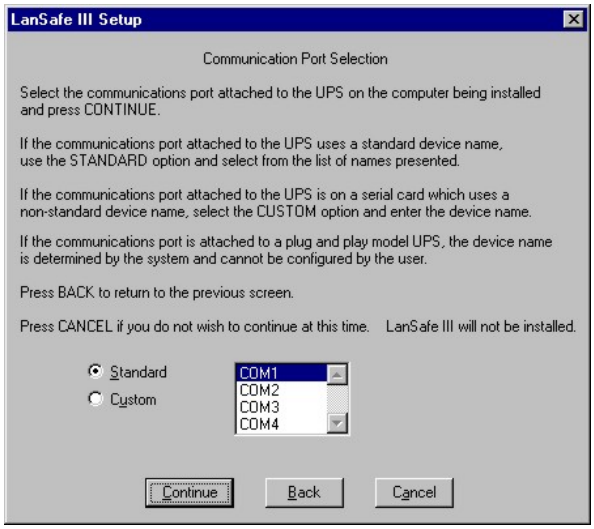
No.	Procedure Steps
1.	Switch off the PC
2.	Connect the UPS to the PC via the serial cable on COM1 or COM2
3.	Connect the mains of the PC, monitor and other devices to the mains outlet of the UPS (4 max.) If you connect a PC to the UPS you have to connect in any case also the associated monitor to the UPS, to avoid different grounding levels.
4.	Switch on the PC and the UPS

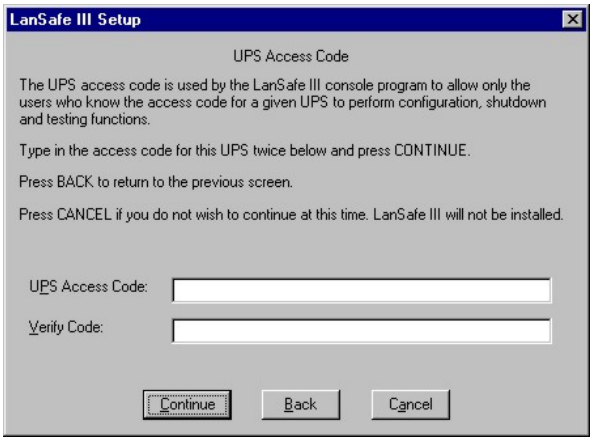
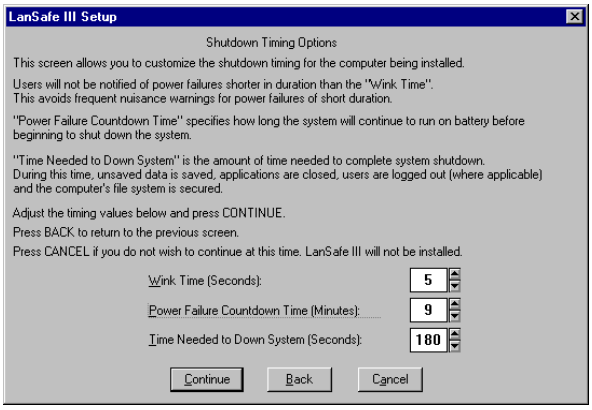
4.2 Installation of Powerware Software

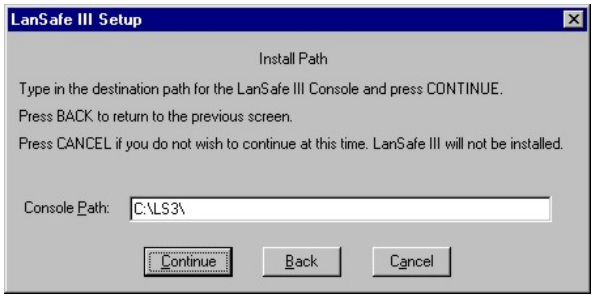
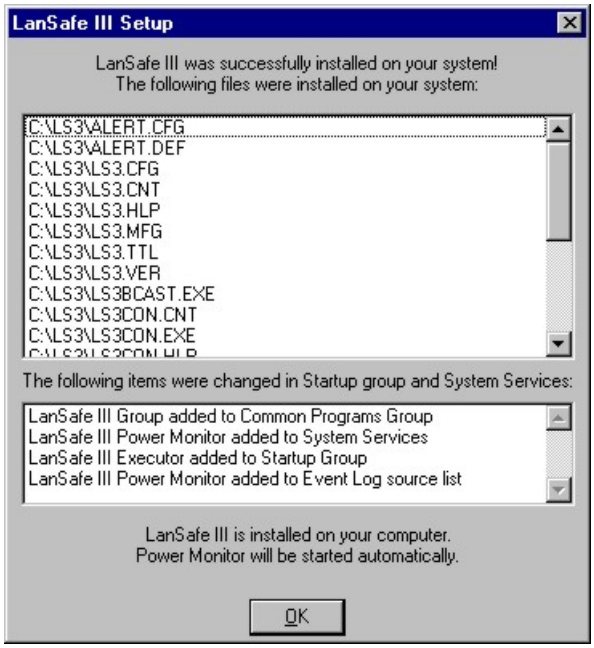
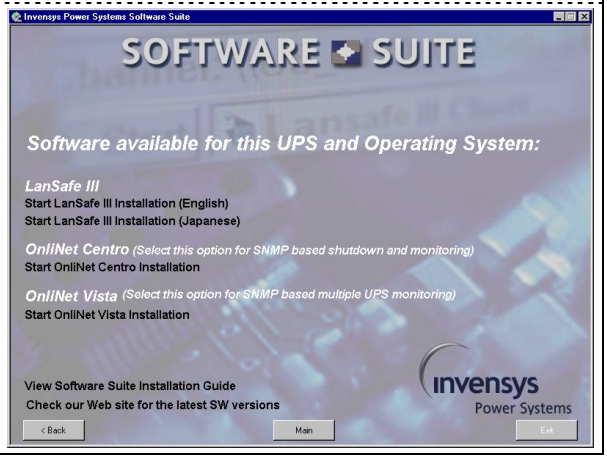
The following instruction will guide you through the installation procedure step by step. Wait until Windows Desktop appears.

No.	Procedure Steps	Display / Comment
1.	Insert CD-ROM	The **<Powerware Software Suite>** main window appears
2.	Click **<Software Installation Wizard>**	
3.	Click **<Powerware 5115>**	
4.	Click **<Windows NT (Intel) v.3.51, 4.0>**	

No.	Procedure Steps	Display / Comment
5.	Select type of connection, for example **<RS-232 Communication Cable>**	
6.	Select software for UPS and operating system, for example **<Start LanSafe III Installation (English)>**	
7.	Click **<Install>**	
8.	Select an install option, and then click **<Continue>**	

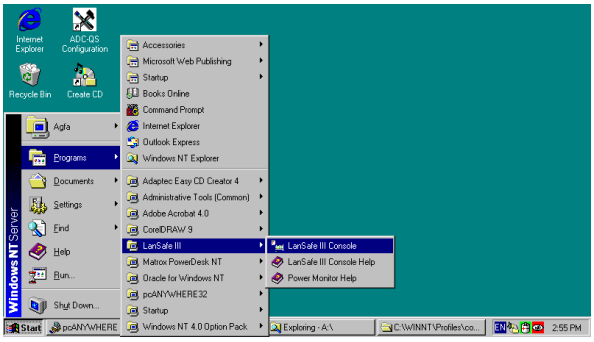
No.	Procedure Steps	Display / Comment
9.	Select UPS group <Yes> or single configuration <No> and then click <Continue>	
10.	Select family and model of UPS <Powerware> and <Powerware 5115>	
11.	Select the used communication port or stay at <Standard COM1> and then click <Continue>	

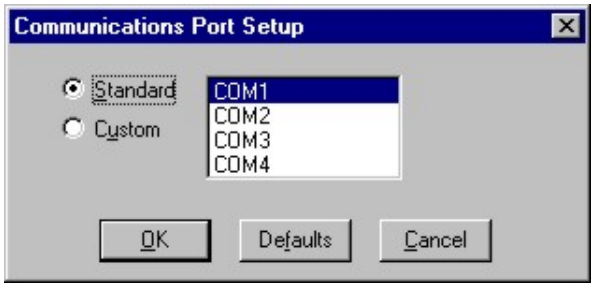
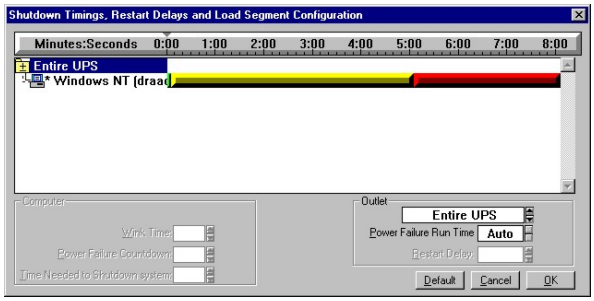
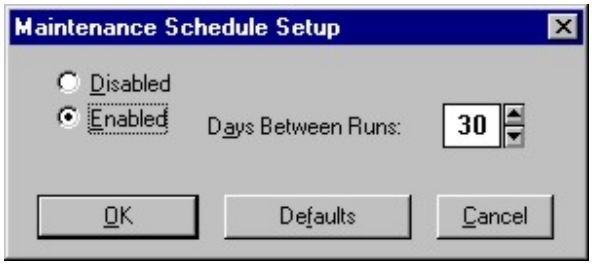
No.	Procedure Steps	Display / Comment
12.	Type in a self created UPS access code, verify it by typing in again and then click **<Continue>**	
13.	Check shutdown timing options • Wink time: Time before a warning message will be displayed. Can be increased during maintenance. (default: 5 sec) • Power Failure Countdown Time: Time until the shut down procedure gets started. (default: 5 sec, re-commended: 9 sec) • Time Needed to Down System: Time provided to down the system. (default: 180 sec)	
14.	Select an option, **<Yes>** is recommended, and then click **<Continue>**	

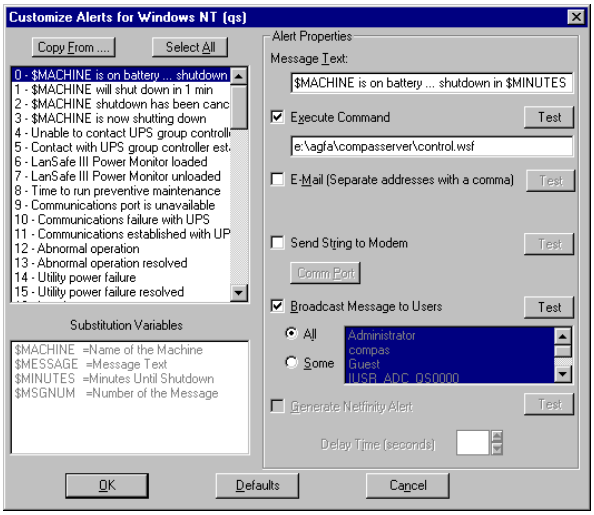
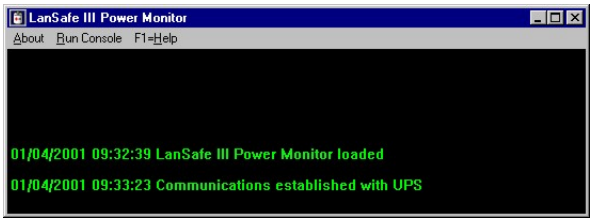
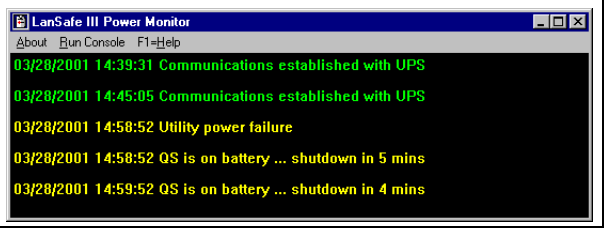
No.	Procedure Steps	Display / Comment
15.	Type in a destination path for LanSafe III Console if you do not want to keep default setting and then click **<Continue>**	
16.	To finish installation and to start Power Monitor automatically, click **<OK>**	
17.	Click **<Exit>**	

4.3 Configuration of Software

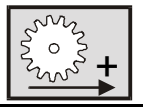
After the UPS software installation has been successfully finished you have to check the configuration settings of the UPS.

No.	Procedure Steps	Display / Comment
1.	Start <LanSafe III console> by selecting the corresponding command from the <Start> menu	
2.	Wait until all parameters are calculated	The node information is displayed
3.	Check load and run time	 The sum of the countdown and shutdown time that you have set during software installation may not exceed the battery run time. The load percentage value gives you an idea of the UPS load. In general, this load will be about 25 % of UPS capacity. See load table at chapter 5.1. Notice, that the rate between load and runtime is not linear.
4.	On the <Setup> menu, click <Communication Port..>	The <Communication Port Setup> dialog box appears

No.	Procedure Steps	Display / Comment
5.	Check communication port setup and change if necessary. Then click **<OK>**.	
6.	On the **<Setup>** menu, click **<Shutdown Timing>**	The **<Shutdown Timings,…>** dialog box appears
7.	Check shutdown timings, restart delay, load segment configuration, and change if necessary. To change a PC UPS configuration, click the PC on the UPS tree, e.g. Windows NT (draadcqs2), change parameters, and then click **<OK>**.	 The UPS tree displays all connected PCs. The outlet parameters can not be changed.
8.	On the **<Setup>** menu, click **<Maintenance>**	The **<Maintenance Schedule Setup>** dialog box appears
9.	Check maintenance schedule setup and change if necessary. Click **<Enabled>** to make the **<Days Between Runs>** box available.	 If you set for example 30 days between runs, a reminder is displayed after 30 days by the Power Monitor.
10.	On the **<Setup>** menu, click **<Customize Alerts>**	The **<Customize Alerts…>** dialog box appears

No.	Procedure Steps	Display / Comment
11.	To customize alerts for the PC click in the list at the alert of your choice and set its properties, e.g. message text or execute command, and then click <OK>. Example: • Select **"0 - $MACHINE is on battery..."** • Select a message text. It will be shown in case of battery operation. • Type in a corresponding command in the **<Execute command>** text box like **<e:\agfa\compasserver\control.wsf>**	
12.	To check the UPS communication click the battery icon in the taskbar.	
13.	The power monitor appears and informs about established communications and power failures.	 

For further questions look at the user manual, which is part of the delivery of the UPS.



5 Additional Information

5.1 Load Table

Load (%)	Battery Run Time (min)
30	28
50	17
58	13
65	12
70	4

5.2 Measured Values for Power Consumption

Dell 420	
Maximum	500 mA
Idle	450 mA

Optiplex GX110	
Maximum	300 mA
Idle	200 mA

Monitor (19”)	
Maximum	650 mA
Power save	50 mA

Monitor Siemens HB	
Maximum	530 mA
Power save	25 mA

5.3 Powerware Service Contact

Powerware UPS service telephone number: +800 – 7533 7533

Chapter 6

2.
Integration of Touch Screen in ADC Quality System

DD+DIS024.02E

Order-No.: DD+DIS024.02E

1 Piece UUS5W MA1

ADC Quality System 2.0.xx

Type 4406 / 421

Integration of Touch Screen in ADC QS

Necessary time:
30 min.

List of contents

1 Restrictions 1

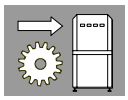
2 Touch screen Installation Procedure 1

2.1 Preparations 1

2.2 Installation 1

printed in Germany 02 / 2002

AGFA



1 Restrictions

The touch screen requires a serial port connection. If both of the serial ports are already connected, one to the ID-tablet and the other to the UPS, disconnect one of them. The UPS can still be used without the serial port connection to compensate short drops in mains, but no auto shutdown will be performed if the batteries are exhausted.

There is no upgrade planned to add a third serial port.

2 Touch Screen Installation Procedure

2.1 Preparations

(1) Select

`Start` on menu bar
`Settings`
`Control Panel`
`Connections`

and check that both COM ports are listed and therewith working.

(2) Select

`Start` on menu bar
`Settings`
`Control Panel`
`Display`
tab `Settings`

and check the following settings

- Resolution of screen: 768 x 1024
- Refresh rate: 60 Hz
- Color palette: True Color

(3) Shut down the computer and switch off CRT monitor

(4) Disconnect CRT monitor

2.2 Installation

(5) Connect the touch screen to

- VGA
- Serial port
- Audio (optional)
- Power supply

Find the installation instructions for connections in the user guide (chapter 2) which is delivered with the screen.

(6) Switch computer and touch screen on

(7) Insert driver CD-ROM, which is part of the enclosure of the monitor, and install the serial touch driver. Find further installation instructions in the monitor users guide (chapter 2).

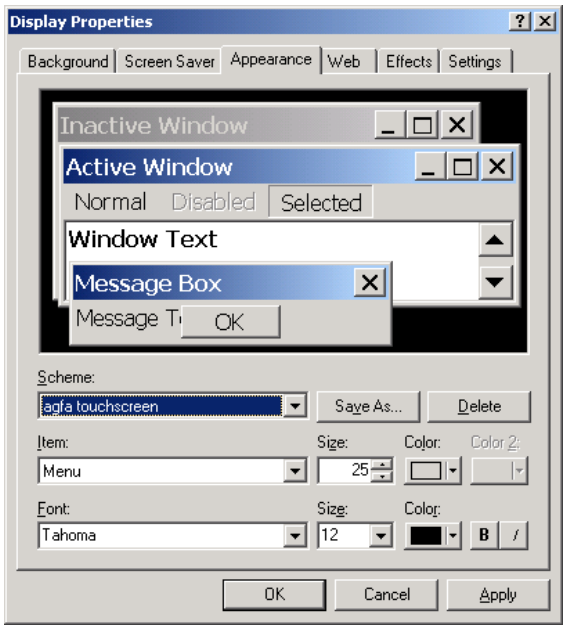
(8) Reboot computer

(9) Monitor calibration tool comes up; please follow the instructions on the screen.

(10) **Change Windows appearance settings**

Select

`Start` on menu bar
`Settings`
`Control Panel`
`Display`
tab `Appearance`



and set the following sizes

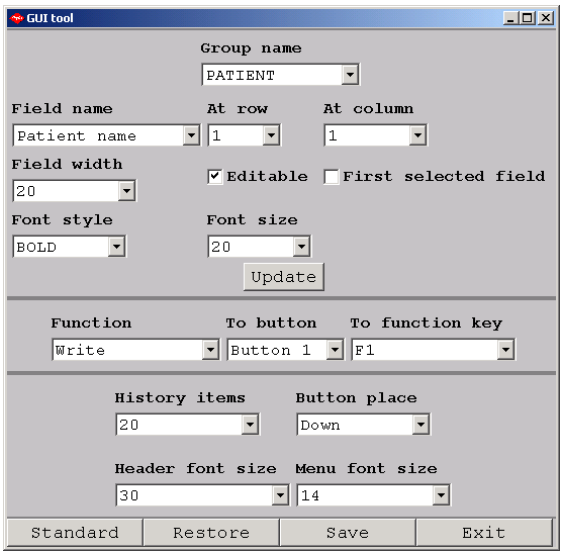
- Scrollbar size: 25
- Caption buttons size: 25
- Menu size: 25
- Font size: 12
- Active title bar size: 25
- Active title bar font size: 12
- Message text font size: 12

(11) **Change the PRID GUI**

Login PRID as system manager

Select at menu bar

```
Configuration
 System manager
  GUI tool…
```



and set the following sizes

- Font size: 22 (makes input boxes bigger) - set this for all fields which will be used in the GUI
- Header font size: 20
- Menu font size: 18

- Remove all input boxes which are not needed to see or never to change afterwards, to give a better overview on the screen.
- It is possible to change screen position of the button from bottom to right. On the right side the buttons appear bigger, but a lot of screen space is lost that way.

In several instances a keyboard is still needed. E.g. if the comment field is used or the RIS does not provide you with all data, you have to type in at the fields with the keyboard.

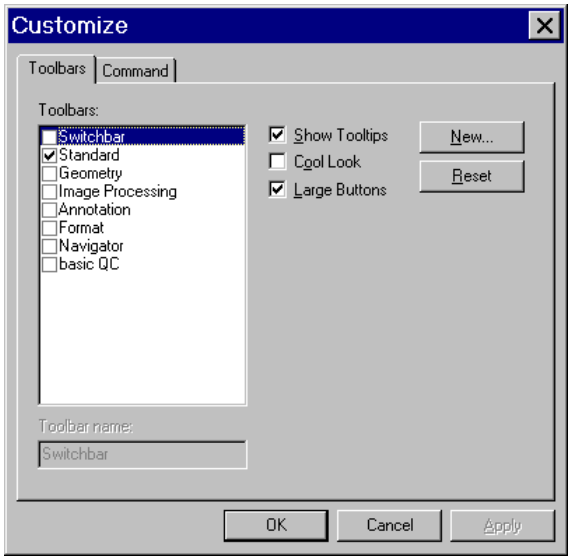
The mouse can be left out for the use of the PRID, but you still need it for the viewer or other applications (e.g. RIS).

(12) **Change the Basic-QCviewer GUI**

Start ADC QS: QC Viewer

To simplify the use of the QC viewer with a touch screen, all needed buttons are put together in one toolbar.

Select at menu bar
`Tools`
`Customize`
tab `Toolbars`



Select the `Standard` toolbar.
Uncheck `Cool Look` to make differentiation of the buttons easier.

- Include icons from the command pane to the toolbar by dragging them into the toolbar.
- To space the buttons in the toolbar drag them apart while customize toolbars dialog is open.

To use “annotations” you have to use the keyboard to type in the text. “Window” and “level” require a mouse and “free annotations” requires keyboard and mouse to operate.